

Al
Ant printed with a metal conductor ink to make the walls and openings 18, 19, of the cavities conductive. A conductive layer 20 can be printed over the first green tape stack 12 to form a second ground plane.--

IN THE CLAIMS

Please amend the following claims.

Cancel claims 4 and 5.

6. (Amended) line 1, delete "4" and substitute --9--

7. (Amended) An embedded dielectric waveguide according to claim [4] 9 wherein E-plane probes are inserted through openings in said second of the two green tape [stack] stacks and connected to microstrip transmission lines on the surface of said second green tape stack.

8. (Amended) An embedded dielectric waveguide according to claim [4] 9 which is able to be tuned to varying operating frequencies by [incorporating] preselecing green tapes having varying dielectric constant into the structure.

Add the following claims.

--9. An embedded coupled shaped dielectric waveguide resonator comprising a metal support substrate,

a first green tape stack adhered to the support substrate,